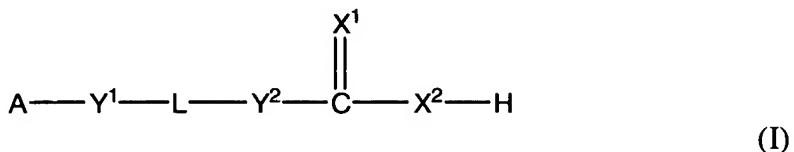


Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A compound of formula (I):



wherein

A is a cyclic moiety selected from the group consisting of C_{3-14} cycloalkyl, 3-14 membered heterocycloalkyl, C_{4-14} cycloalkenyl, 3-14 membered heterocycloalkenyl, aryl, heteroaryl; the cyclic moiety being optionally substituted with 1-3 substituents, each of which is independently selected from the group consisting of alkyl, alkenyl, alkynyl, alkoxy, hydroxyl, hydroxylalkyl, halo, haloalkyl, amino, alkylcarbonyloxy, alkyloxycarbonyl, alkylcarbonyl, alkylsulfonylamino, aminosulfonyl, and alkylsulfonyl;

each of X^1 and X^2 , independently, is O or S;

Y^1 is $-CH_2-$, $-O-$, $-S-$, $-N(R^a)-$, $-N(R^a)-C(O)-O-$, $-O-C(O)-N(R^a)-$, $-N(R^a)-C(O)N(R^b)-$, $-O-C(O)-O-$, or a bond; each of R^a and R^b , independently being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl;

Y^2 is CH_2 or a bond;

L is a straight C_{3-12} hydrocarbon chain optionally containing at least one double bond adjacent to Y^1 or Y^2 , at least one triple bond, or at least one double bond and one triple bond; said hydrocarbon chain being optionally substituted with C_{2-4} alkenyl, C_{2-4} alkynyl, C_{1-4} alkoxy, hydroxyl, halo, amino, nitro, C_{3-5} cycloalkyl, 3-5 membered heterocycloalkyl, monocyclic aryl, 5-6 membered heteroaryl, C_{1-4} alkylcarbonyloxy, C_{1-4} alkylcarbonyl, or formyl; and further being optionally interrupted by $-O-$, $-N(R^c)-$, $-N(R^c)-C(O)-O-$, $-O-C(O)-(R^c)-$, $-N(R^c)-C(O)-N(R^d)-$, or $-O-C(O)-O-$; each of R^c and R^d , independently, being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl; provided that when L contains two or more double bonds, the double bonds are not adjacent to each other; that when L contains

three double bonds, said hydrocarbon chain is further substituted with C_{2-4} alkenyl, C_{2-4} alkynyl, C_{1-4} alkoxy, hydroxyl, halo, amino, nitro, C_{3-5} cycloalkyl, 3-5 membered heterocycloalkyl, monocyclic aryl, 5-6 membered heteroaryl, C_{1-4} alkylcarbonyloxy, C_{1-4} alkylcarbonyl, or formyl; and further provided that when L is C_4 or C_5 C_{3-7} and contains one triple bond or one or two double bonds and A is phenyl or substituted phenyl, Y^1 is not a bond or $-CH_2-$ and Y^2 is $-CH_2-$; provided that when L is C_4 , A is C_{3-14} cycloalkyl then Y_1 is not CH_2 ; and further provided that when L is C_4 containing two double bonds, and is ω -substituted with phenyl or substituted phenyl, A is not phenyl or substituted phenyl; or a salt thereof.

2. **(Original)** The compound of claim 1, wherein X^1 is O.

3. **(Original)** The compound of claim 1, wherein X^2 is O.

4. **(Original)** The compound of claim 1, where each of X^1 and X^2 is O.

5. **(Previously Presented)** The compound of claim 1, wherein Y^1 is $-CH_2-$, $-O-$, $-N(R^a)-$, or a bond.

6. **(Canceled)**

7. **(Previously Presented)** The compound of claim 1, wherein L is an unsaturated C_{4-8} hydrocarbon containing at least one double bond and no triple bond, said unsaturated hydrocarbon chain being optionally substituted with C_{1-2} alkoxy, hydroxyl, $-NH_2$, $-NH(C_{1-2} \text{ alkyl})$, or $-N(C_{1-2} \text{ alkyl})_2$, or $-N(C_{1-2} \text{ alkyl})_2$.

8. **(Original)** The compound of claim 7, wherein the double bond is in trans configuration.

9-11. **(Canceled)**

12. (Original) The compound of claim 1, wherein A is phenyl, naphthyl, indanyl, or tetrahydronaphthyl.

13. (Previously Presented) The compound of claim 1, wherein A is phenyl optionally substituted with 1-3 substituents each of which is independently selected from the group consisting of alkyl, alkenyl, hydroxyl, hydroxylalkyl, halo, haloalkyl, and amino.

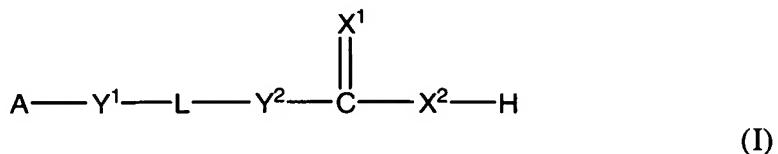
14-15. (Canceled)

16. (Previously Presented) The compound of claim 13, wherein L is an unsaturated C₄₋₈ hydrocarbon chain containing only double bonds in trans configuration, said unsaturated hydrocarbon chain being optionally substituted with C₁₋₂ alkoxy, hydroxyl, -NH₂, -NH(C₁₋₂ alkyl), or -N(C₁₋₂ alkyl)₂.

17. (Previously Presented) The compound of claim 16, wherein X¹ is O; X² is O; and Y¹ is -CH₂-, -O-, -N(R^a)-, or a bond.

18-21. (Canceled)

22. (Currently Amended) A compound of formula (I):



wherein

A is a cyclic moiety selected from the group consisting of aryl and heteroaryl; the cyclic moiety being optionally substituted with alkyl, alkenyl, alkynyl, hydroxylalkyl, or amino; each of X¹ and X², independently, is O or S;

Y¹ is -CH₂-, -O-, -S-, -N(R^a)-, -N(R^a)-C(O)-O-, -O-C(O)-N(R^a)-, -N(R^a)-C(O)-N(R^b)-, -O-C(O)-O-, or a bond; each of R^a and R^b, independently, being hydrogen, alkyl, hydroxylalkyl,

or haloalkyl;

Y^2 is CH_2 or a bond;

L is a straight C_{3-12} hydrocarbon chain optionally containing at least one double bond adjacent to Y^1 or Y^2 , at least one triple bond, or at least one double bond and one triple bond; said hydrocarbon chain being optionally substituted with C_{2-4} alkenyl, C_{2-4} alkynyl, C_{1-4} alkoxy, or amino, and further optionally interrupted by $-O-$ or $-N(R^c)-$, where R^c is hydrogen, alkyl, hydroxylalkyl, or haloalkyl; provided that when L contains two or more double bonds, the double bonds are not adjacent to each other; that when L contains three double bonds, said hydrocarbon chain is substituted with C_{2-4} alkenyl, C_{2-4} alkynyl, C_{1-4} alkoxy, or amino; and further provided that when L is C_4 or C_5 C_{3-7} and contains one triple bond or one or two double bonds and A is phenyl or substituted phenyl, Y^1 is not a bond or $-CH_2-$ and Y^2 is $-CH_2-$; or a salt thereof.

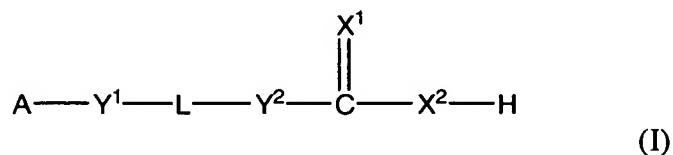
23-24. (Canceled)

25. (Previously Presented) The compound of claim 22, wherein L is an unsaturated C_{4-8} hydrocarbon chain containing only double bonds in trans configuration, said unsaturated hydrocarbon chain being optionally substituted with C_{1-2} alkoxy, hydroxyl, $-NH_2$, $-NH(C_{1-2} \text{ alkyl})$, or $-N(C_{1-2} \text{ alkyl})_2$.

26. (Previously Presented) The compound of claim 25, where in X^1 is O; X^2 is O; and Y^1 is $-CH_2-$, $-O-$, $-N(R^a)-$, or a bond.

27-79. (Canceled)

80. (Currently Amended) A pharmaceutical composition, comprising compound of formula (I):



wherein

A is a cyclic moiety selected from the group consisting of C_{3-14} cycloalkyl, 3-14 membered heterocycloalkyl, C_{4-14} cycloalkenyl, 3-14 membered heterocycloalkenyl, aryl, and heteroaryl; the cyclic moiety being optionally substituted with 1-3 substituents, each of which is independently selected from the group consisting of alkyl, alkenyl, alkynyl, alkoxy, hydroxyl, hydroxylalkyl, halo, haloalkyl, amino, alkylcarbonyloxy, alkyloxycarbonyl, alkylcarbonyl, alkylsulfonylamino, aminosulfonyl, and alkylsulfonyl; each of X^1 and X^2 , independently, is O or S;

Y^1 is $-CH_2-$, $-O-$, $-S-$, $-N(R^a)-$, $-N(R^a)-C(O)-O-$, $-O-C(O)-N(R^a)-$, $-N(R^a)-C(O)-N(R^b)-$, $-O-C(O)-O-$, or a bond; each of R^a and R^b independently, being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl;

Y^2 is CH_2 or a bond;

L is a straight C_{5-12} hydrocarbon chain containing at least one double bond adjacent to Y^1 or Y^2 , or at least one double bond and one triple bond; said hydrocarbon chain being optionally substituted with C_{2-4} alkenyl, C_{2-4} alkynyl, C_{1-4} alkoxy, hydroxyl, halo, amino, nitro, cyano, C_{3-5} cycloalkyl, 3-5 membered heterocycloalkyl, monocyclic aryl, 5-6 membered heteroaryl, C_{1-4} alkylcarbonyloxy, C_{1-4} alkyloxycarbonyl, C_{1-4} alkylcarbonyl, or formyl; and further being optionally interrupted by $-O-$, $-N(R^c)-$, $-N(R^c)-C(O)-O-$, $-O-C(O)-N(R^c)-$, $-N(R^c)-C(O)-N(R^d)-$, or $-O-C(O)-O-$; each of R^c and R^d , independently, being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl;

provided that when L is C_4 , A is C_{3-14} cycloalkyl then Y_1 is not CH_2 ; and further provided that when L is C_4 containing two double bonds, and is ω -substituted with phenyl or substituted phenyl, A is not phenyl or substituted phenyl; further provided that when L is C_4 or C_5 C_{3-7} and contains one triple bond or one or two double bonds and A is phenyl or substituted phenyl, Y^1 is not a bond or $-CH_2-$ and Y^2 is $-CH_2-$;

or a salt thereof; and

a pharmaceutically acceptable carrier.

81. (Previously Presented) The pharmaceutical composition of claim 80, wherein X^1 is O.

82. (Previously Presented) The pharmaceutical composition of claim 80, wherein X^2 is O.

83. (Previously Presented) The pharmaceutical composition of claim 80, where each of X^1 and X^2 is O.

84. (Previously Presented) The pharmaceutical composition of claim 80, wherein Y^1 is $-\text{CH}_2-$, $-\text{O}-$, $-\text{N}(\text{R}^3)-$, or a bond.

85. (Previously Presented) The pharmaceutical composition of claim 80, wherein L is an unsaturated C_{5-8} hydrocarbon chain containing at least one double bond and no triple bond, said unsaturated hydrocarbon chain being optionally substituted with C_{1-2} alkoxy, hydroxyl, $-\text{NH}_2$, $-\text{NH}(\text{C}_{1-2}\text{ alkyl})$, or $-\text{N}(\text{C}_{1-2}\text{ alkyl})_2$, or $-\text{N}(\text{C}_{1-2}\text{ alkyl})_2$.

86. (Previously Presented) The pharmaceutical composition of claim 85, wherein the double bond is in trans configuration.

87. (Previously Presented) The pharmaceutical composition of claim 80 wherein A is phenyl, naphthyl, indanyl, or tetrahydronaphthyl.

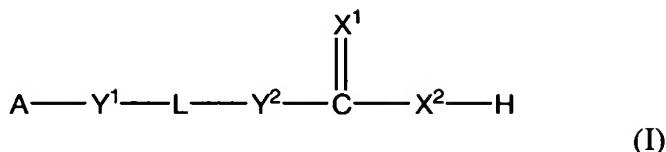
88. (Previously Presented) The pharmaceutical composition of claim 80, wherein A is phenyl optionally substituted with 1-3 substituents, each of which is independently selected from the group consisting of alkyl, alkenyl, hydroxyl, hydroxylalkyl, halo, haloalkyl and amino.

89. (Previously Presented) The pharmaceutical composition of claim 80, wherein L is an unsaturated C_{5-8} hydrocarbon chain containing only double bonds in trans configuration, said unsaturated hydrocarbon chain being optionally substituted with C_{1-2} alkoxy, hydroxyl, $-\text{NH}_2$, $-\text{NH}(\text{C}_{1-2}\text{ alkyl})$, or $-\text{N}(\text{C}_{1-2}\text{ alkyl})_2$.

90. (Previously Presented) The pharmaceutical composition of claim 89, wherein X^1 is O; X^2 is

O; and Y¹ is -CH₂-, -O-, -N(R^a)-, or a bond.

91. (Currently Amended) A compound of formula (I):



wherein

A is a cyclic moiety selected from the group consisting of C₃₋₁₄ cycloalkyl, 3-14 membered heterocycloalkyl, C₄₋₁₄ cycloalkenyl, 3-14 membered heterocycloalkenyl, aryl, and heteroaryl; the cyclic moiety being optionally substituted with alkyl, alkenyl, alkynyl, alkoxy, hydroxyl, hydroxylalkyl, halo, haloalkyl, amino, alkylcarbonyloxy, alkyloxycarbonyl, alkylcarbonyl, alkylsulfonylamino, aminosulfonyl, or alkylsulfonyl;

each of X¹ and X², independently, is O or S;

Y¹ is -CH₂-, -S-, -N(R^a)-, -N(R^a)-C(O)-O-, -O-C(O)-N(R^a)-, -N(R^a)-C(O)-N(R^b)-, -O-C(O)-O-, or a bond; each of R^a and R^b, independently, being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl;

Y² is -CH₂- or a bond;

L is a straight C₃₋₆ hydrocarbon chain containing at least one double bond adjacent to Y¹ or Y², at least one triple bond, or at least one double bond and one triple bond; said hydrocarbon chain being substituted with C₂₋₄ alkenyl, C₂₋₄ alkynyl, C₁₋₄ alkoxy, amino, nitro, C₃₋₅ cycloalkyl, 3-5 membered heterocycloalkyl, monocyclic aryl, 5-6 membered heteroaryl, C₁₋₄ alkylcarbonyloxy, C₁₋₄ alkylcarbonyl, or formyl; and further being optionally interrupted by -O-, -N(R^c)-, -N(R^c)-C(O)-O-, -O-C(O)-N(R^c)-, -N(R^c)-C(O)-N(R^d)-, or -O-C(O)-O-; each of R^c and R^d, independently, being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl;

provided that when L is C₄, A is C₃₋₁₄ cycloalkyl then Y₁ is not CH₂; and further provided that when L is C₄ containing two double bonds, and is ω -substituted with phenyl or substituted phenyl, A is not phenyl or substituted phenyl; further provided that when L is C₄ or C₅ C₃₋₇ and

contains one triple bond or one or two double bonds and A is phenyl or substituted phenyl, Y¹ is not a bond or -CH₂- and Y² is -CH₂-; or a salt thereof.

92. (Previously Presented) The compound of claim 91, wherein X¹ is O.

93. (Previously Presented) The compound of claim 91, wherein X² is O.

94. (Previously Presented) The compound of claim 91, wherein each of X¹ and X² is O.

95. (Canceled)

96. (Currently Amended) The compound of claim 91, wherein L is an unsaturated C₄₋₆ hydrocarbon chain containing at least one double bond and no triple bond, said unsaturated hydrocarbon chain being substituted with C₁₋₂ alkoxy, hydroxyl, -NH₂, -NH(C₁₋₂ alkyl), -N(C₁₋₂ alkyl)₂, -N(C₁₋₂ alkyl)₂, halo, or monocyclic aryl.

97. (Previously Presented) The compound of claim 96, wherein said double bond is in trans configuration.

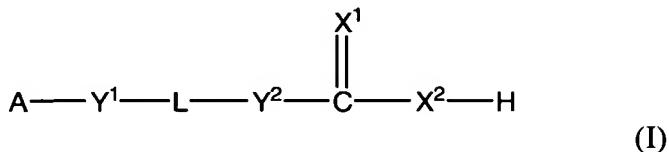
98. (Canceled)

99. (Previously Presented) The compound of claim 91, wherein A is phenyl optionally substituted with alkyl, alkenyl, hydroxyl, hydroxylalkyl, halo, haloalkyl, or amino.

100. (Currently Amended) The compound of claim 91, wherein L is an unsaturated C₅₋₆ hydrocarbon chain containing double bonds only in trans configuration, said unsaturated hydrocarbon chain being substituted with C₁₋₂ alkoxy, hydroxyl, -NH₂, -NH(C₁₋₂ alkyl), -N(C₁₋₂ alkyl)₂, halo, or monocyclic aryl.

101. (Previously Presented) The compound of claim 100, wherein X^1 is O; X^2 is O; and Y^1 is - CH_2 -, - $N(R^a)$ -, or a bond.

102. (Currently Amended) A compound of formula (I):



wherein

A is a cyclic moiety selected from the group consisting of C_{3-14} cycloalkyl, 3-14 membered heterocycloalkyl, C_{4-14} cycloalkenyl, 3-14 membered heterocycloalkenyl, aryl, a heteroaryl; the cyclic moiety being optionally substituted with alkyl, alkenyl, alkynyl, alkoxy, hydroxyl, hydroxylalkyl, halo, haloalkyl, amino, alkylcarbonyloxy, alkyloxycarbonyl, alkylcarbonyl, alkylsulfonylamino, aminosulfonyl, or alkylsulfonyl;

each of X^1 and X^2 , independently, is O or S;

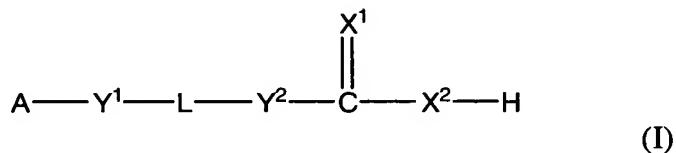
Y^1 is - CH_2 -, -O-, -S-, - $N(R^a)$ -, - $N(R^a)$ -C(O)-O-, -O-C(O)-N(R^a)-, - $N(R^a)$ -C(O)-N(R^b)-, -O-C(O)-O-, or a bond; each of R^a and R^b , independently being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl;

Y^2 is CH_2 or a bond;

L is a straight C_{3-7} hydrocarbon chain optionally containing at least one double bond adjacent to Y^1 or Y^2 , least one triple bond, or at least one double bond and one triple bond; said hydrocarbon chain being optionally substituted with C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, C_{1-4} alkoxy, hydroxyl, halo, amino, nitro, C_{3-5} cycloalkyl, 3-5 membered heterocycloalkyl, monocyclic aryl, 5-6 membered heteroaryl, C_{1-4} alkylcarbonyloxy, C_{1-4} alkylcarbonyl, or formyl; and further being optionally interrupted by -O-, - $N(R^c)$ -, - $N(R^c)$ -C(O)-O-, -O-C(O)-N(R^c)-, or -O-C(O)-O-; each of R^c and R^d , independently, being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl; provided that when L contains two or more double bonds, the double bonds are not adjacent to each other; that when L contains three double bonds, said hydrocarbon chain is further substituted with C_{2-4} alkenyl, C_{2-4} alkynyl, C_{1-4} alkoxy, hydroxyl, halo, amino,

nitro, C_{3-5} cycloalkyl, 3-5 membered heterocycloalkyl, monocyclic aryl, 5-6 membered heteroaryl, C_{1-4} alkylcarbonyloxy, C_{1-4} alkylcarbonyl, or formyl; and further provided that when L is ~~C_4 or C_5~~ C_{3-7} and contains one triple bond or one or two double bonds and A is phenyl or substituted phenyl, Y^1 is not a bond or $-CH_2-$ and Y^2 is $-CH_2-$; provided that when L is C_4 , A is C_{3-14} cycloalkyl then Y_1 is not CH_2 ; and further provided that when L is C_4 containing two double bonds, and is ω -substituted with phenyl or substituted phenyl, A is not phenyl or substituted phenyl; or a salt thereof.

103. (Currently Amended) A compound of formula (I):



wherein

A is phenyl, naphthyl, indanyl, or tetrahydronaphthyl; each of X^1 and X^2 , independently, is O or S; Y^1 is $-CH_2-$, $-S-$, $-N(R^a)-C(O)-O-$, $-O-C(O)-N(R^a)-$, $-N(R^a)-C(O)-N(R^b)-$, $-O-C(O)-O-$, or a bond; each of R^a and R^b , independently, being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl; Y^2 is $-CH_2-$ or a bond; L is a straight C_{3-6} hydrocarbon chain containing at least one double bond adjacent to Y^1 or Y^2 , at least one triple bond, or at least one double bond and one triple bond; said hydrocarbon chain being substituted with C_{2-4} alkenyl, C_{2-4} alkynyl, C_{1-4} alkoxy, amino, nitro, C_{3-5} cycloalkyl, 3-5 membered heterocycloalkyl, monocyclic aryl, 5-6 membered heteroaryl, C_{1-4} alkylcarbonyloxy, C_{1-4} alkyloxycarbonyl, C_{1-4} alkylcarbonyl, or formyl; and further being optionally interrupted by $-O-$, $-N(R^c)-$, $-N(R^c)-C(O)-O-$, $-O-C(O)-N(R^c)-$, $-N(R^c)-C(O)-N(R^d)-$, or $-O-C(O)-O-$; each of R^c and R^d , independently, being hydrogen, alkyl, alkenyl, alkynyl, alkoxy, hydroxylalkyl, hydroxyl, or haloalkyl;

provided that when L is C_4 , A is C_{3-14} cycloalkyl then Y_1 is not CH_2 ; and further provided that when L is C_4 containing two double bonds, and is ω -substituted with phenyl or substituted phenyl, A is not phenyl or substituted phenyl; further provided that when L is C_4 or ~~C_5~~ C_{3-7} and contains one triple bond or one or two double bonds and A is phenyl or substituted phenyl, Y^1 is not a bond or $-CH_2-$, and Y^2 is $-CH_2-$;
or a salt thereof.